D. B. Taylor.

Ladder.

No. 62,234. Patented Feb. 19, 1867

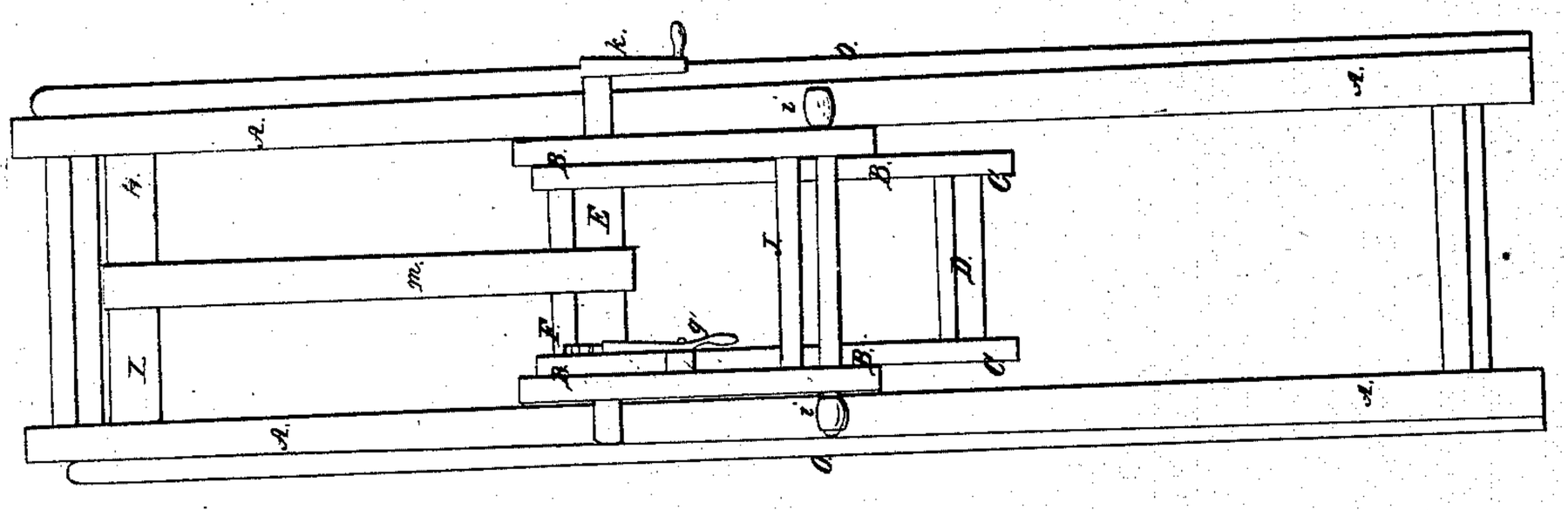

Fig. 1.

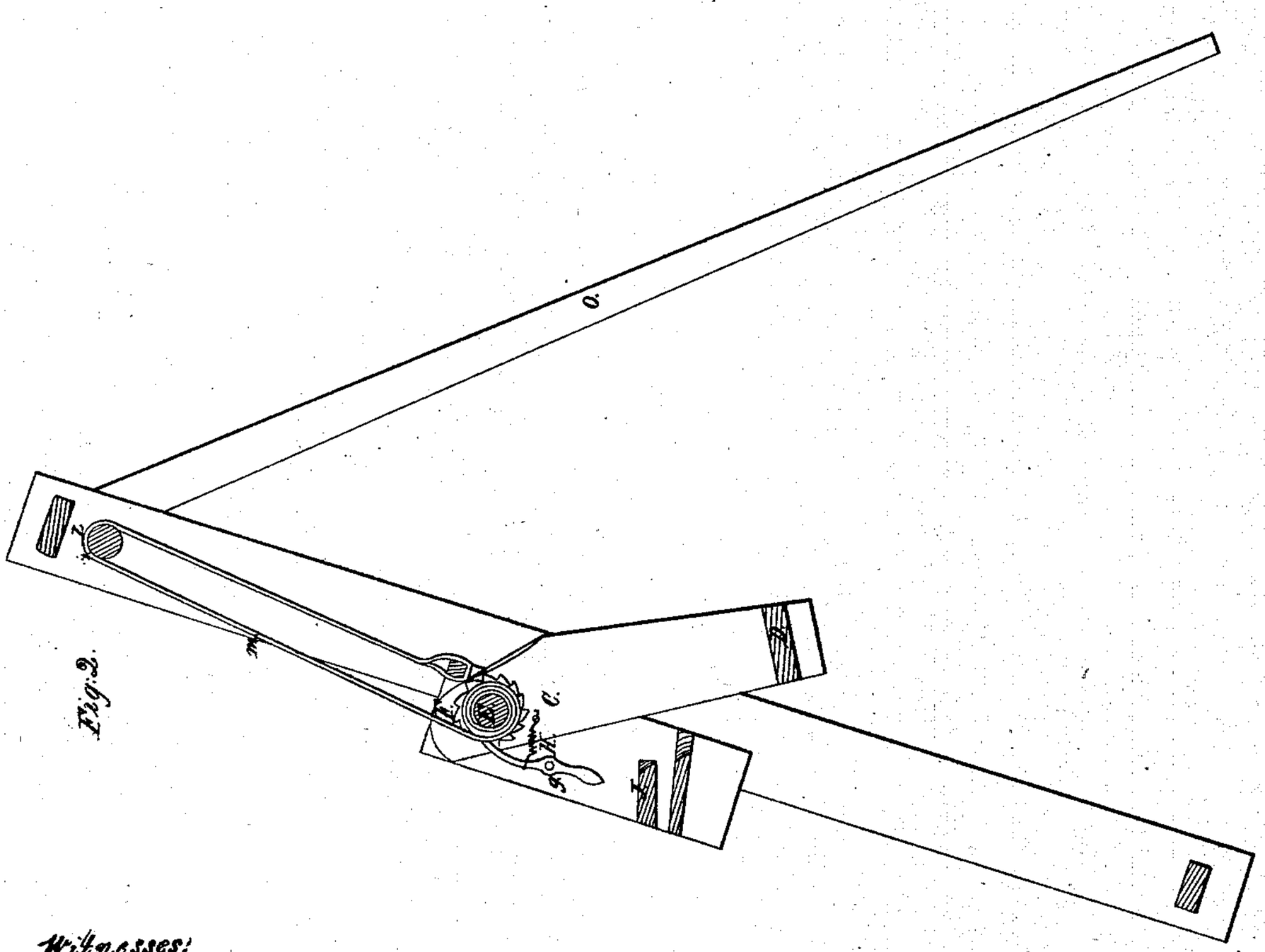

Fig. 2.

Witnesses:
Samuel Harris

Inventor:
Daniel B Taylor

United States Patent Office.

DANIEL B. TAYLOR, OF AVON, MICHIGAN.

Letters Patent No. 62,234, *dated February* 19, 1867.

IMPROVEMENT IN LADDERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANIEL B. TAYLOR, of the town of Avon, and county of Oakland, in the State of Michigan, have invented a new and improved Ladder; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a ladder with a movable carriage, with a seat and step attached thereto, which can be moved up or down the frame (or side pieces) by means of shaft-crank and belt. In the drawings—

Figure 1 represents a perspective view.

Figure 2, a sectional view.

A represents the frame or "side pieces" of the ladder, which consists of two pieces of scantling of sufficient strength to hold the weight required. They are fastened at a convenient distance apart by means of cross-pieces at each end. O represent two legs, which are fastened to the top of frame A in such a manner that they can be placed at any angle required, so as to give the frame more or less pitch. B represents the frame of carriage, which is made of such width as will allow it to move inside the frame A. I represents a seat, on which the operator may sit, and is attached to frame B. C represents another frame, which is inside of and attached to frame B by means of shaft E. D represents a step, fastened to frame C, upon which the operator may stand. N represents a shaft, which passes through the frame B, the ends of which project beyond the sides of frame B; and upon each end there is a friction-roller, which runs upon the frame A. K is a crank, which is attached to shaft E, which shaft passes through the frames D and B, and projects far enough to rest on frame A, which supports the frames B and C, and keeps them in their proper position. F is a ratchet-wheel, which is fastened to shaft E. G is a pawl, which is fastened to frame B in such a position that, when the operator has reached the position he desires, the pawl is placed in contact with the ratchet-wheel F, which will hold the frame B in any position or place desired. L is a shaft, fastened at each end to frame A in such a manner that the shaft can revolve. M represents a band, which is fastened at one of its ends to shaft E, and passes over shaft L, and returns to and is fastened to frame B.

The ladder is operated as follows: The frame A is elevated to any pitch desired by placing the legs O at the proper distance from the lower end of frame A. The operator, placing himself on the seat I, turns the shaft E by means of crank K, which winds the band M around the shaft E, thereby drawing the frame B towards the top of the ladder.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent from the United States, is—

The application to ladders of a movable frame B, having a step D and seat I attached, together with friction-rollers I, band M, crank K, ratchet-wheel F, and pawl G, constructed and operated substantially as above described.

DANIEL B. TAYLOR.

In presence of—
EDWARD P. HARRIS,
SAMUEL HARRIS.